

The Use of the IBM 1001 Data Transmission System in Stock Control



IBM

Efficient and precise stock control depends upon timely information. This demonstration shows how stock movements at a stores can be reported to a central data processing installation as soon as they occur.

Input

The information is transmitted partly from a pre-punched master card, and partly by means of a keyboard operation. The stores number and the part number are read from the master card. Only the quantity and a transaction code are entered manually, on the 1001 keyboard. In this example only 4 digits have to be keyed: 3 digits for quantity and 1 code digit indicating an issue, a receipt, a return, etc.

Output

At the central data processing installation there is a standard IBM card punch with a transmission adaptor. The 024 punches the transmitted information into cards. Since each message consists of only 12 digits, both card usage and reading time can be reduced by punching 6 individual messages into one output card, which also contains the date, duplicated from the preceding card.

Checking

- a) A checking feature tests each numerical code as it is received in the data translator. If the correct number of bits is not present, an error signal is punched in the relevant column.
- b) A record-length checking feature determines that the correct number of columns has been punched for each record.

If no error is found in a card, then the card is punched with an X in column 81; but if any errors are detected, both operators are signalled and no X is punched.





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